

Sub 41 1. (five times amended) A shield cleaning system, operating by spraying with washing fluid, for shields of an automobile, comprising:

a motor, and a washing arm movable over and at a distance from the shield by said motor, and a push rod interconnecting the motor with the washing arm for displacing the washing arm in a longitudinal direction of the push rod, the washing arm extending transversely of the direction of longitudinal displacement;

E1 at least one fluidic washing nozzle arranged on the washing arm for spraying washing fluid onto the shield;

wherein the washing nozzle is movable by the washing arm over a region of the shield which is to be cleaned, wherein the washing nozzle has an outlet opening facing said shield, and the washing fluid is sprayable on at least portions of the shield immediately during movement of the washing arm from a basic position of the washing arm; and

wherein the fluidic washing nozzle has a washing fluid jet oscillating essentially transversely to the direction of movement of the washing arm, and a shape of the push rod corresponds to a contour of the shield.

Rejected claims 25 and 29 are presented for reconsideration without further amendment.

25. A shield cleaning system, operating solely by spraying with washing fluid, for shields of an automobile, comprising

a motor,

a washing arm component (60) movable over and at a distance from the shield by said motor, and a washing nozzle arranged on the washing arm component for spraying washing fluid onto the shield, wherein the washing nozzle has an outlet opening facing said shield in and defining all spraying positions of the nozzle and that of the washing arm component immediately during movement of the washing arm component from a basic position, and the washing nozzle is sprayable on at least portions of the shield immediately during all of said movement of the washing arm component, and wherein

the motor (61) for moving the washing arm component (60) is a motor (61) driven by the washing fluid, wherein the washing nozzle (12-14, 25, 38, 50, 54, 63) is a fluidic nozzle with a washing fluid jet oscillating essentially transversely to the direction of movement of the washing arm (6, 37, 48, 53), the fluidic nozzle comprising a swirl chamber with return ducts to an inlet region of the swirl chamber to induce oscillation of an emerging fluid washing jet.

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29. The shield cleaning system as claimed in claim 25, wherein distance of the nozzle from the shield changes during movement of the washing arm component and the nozzle is closest to the shield at an edge of the shield.

Please enter the following claims:

--31. (new) A shield cleaning system, operating by spraying with washing fluid, for shields of an automobile, comprising:

E2 a motor, and a washing arm movable over and at a distance from the shield by said motor, and a push rod interconnecting the motor with the washing arm for displacing the washing arm in a longitudinal direction of the push rod,

at least one fluidic washing nozzle arranged on the washing arm for spraying washing fluid onto the shield;

wherein the washing nozzle is movable by the washing arm over a region of the shield which is to be cleaned, wherein the washing nozzle has an outlet opening facing said shield, and the washing fluid is sprayable on at least portions of the shield immediately during movement of the washing arm from a basic position of the washing arm; and

wherein the fluidic washing nozzle has a washing fluid jet oscillating essentially transversely to the direction of movement of the washing arm, and a shape of the push rod corresponds to a contour of the shield.

32. (new) A shield cleaning system, operating solely by spraying with washing fluid, for shields of an automobile, comprising:

a motor, and a washing arm having a push rod, the washing arm being displaceable at a distance from the shield by said motor in longitudinal direction of the push rod,

E2 a washing nozzle arranged on the washing arm for spraying washing fluid onto a part region of the shield,

wherein the washing nozzle consists of at least one fluidic nozzle with a washing fluid jet oscillating essentially transversally to the longitudinal displacement of the washing arm,

and the at least one fluidic nozzle is arranged to spray washing fluid during the movement of the washing arm from a basic position on.

33 (new) A shield cleaning system for spraying washing fluid on a shield of a vehicle, comprising:

a motor, a nozzle assembly, and a nozzle carrier supporting the nozzle assembly, the carrier being displaceable at a distance from the shield by said motor,

means connecting with the motor for driving the carrier along a prescribed path along the shield,

wherein the nozzle assembly consists of at least one fluidic nozzle with a washing fluid jet oscillating essentially transversely to said path,

and the at least one fluidic nozzle sprays washing fluid concurrently with movement of the carrier along the path.

34 (new) A method of directing a fluid on a shield of a vehicle, the method being suitable for cleaning the shield, the method comprising steps of:

providing a nozzle for spraying the fluid on the shield;

establishing a path extending along at least a part of the shield and being spaced apart from the shield;

carrying the nozzle along the path;

E 2
with draw
no motor needed
ME

operating the nozzle as a fluidic nozzle
to emit an oscillatory jet of the fluid to provide a spray
pattern in a direction transverse to the path; and

wherein a spraying of the fluidic on the
shield by the nozzle is accomplished concurrently with a carrying
of the nozzle along the path.--

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